

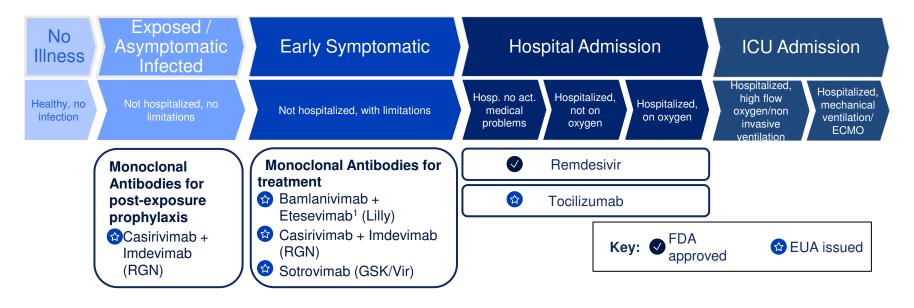
The Evolving Role of Therapeutics Against COVID-19

Colin Shepard, MD

U.S. Department of Health and Human Services, Office of the Assistant Secretary for Preparedness and Response August 11th, 2021

Unclassified/For Public Use

Summary of COVID-19 Therapeutics



1. National shipment pause due to variants, as of 06/25/2021



Bottom Line: monoclonal antibodies for treatment reduce relative risk of hospitalization

- ➤ COVID-19 monoclonal antibodies (mAbs) are intended for patients with **mild to** moderate COVID-19 who are at high risk of developing severe disease
- mAbs are likely to be most effective when given early in disease course
- Early evidence appears to suggest promise of mAb products in outpatient settings; products (bamlanivimab/etesevimab and REGEN-COV(casirivimab/imdevimab)) reduce the relative risk of hospitalizations by up to 70% in high-risk patients

1. National shipment pause due to variants, as of 06/25/2021



REGEN-COV Emergency Use Authorization(EUA) expanded to include post-exposure prophylaxis

- ➤ As of July 30, 2021, FDA has authorized post-exposure prophylaxis use of the COVID-19 monoclonal antibody therapeutic REGEN-COV (casirivimab and imdevimab)
- REGEN-COV is expected to be effective against circulating variants, including the Delta variant. Please refer to the following for more information:
 - FDA fact sheet and EUA Letter of authorization
 - Regeneron press release
 - For additional information and approved materials, including information about ordering, please refer to the <u>REGEN-COV</u> webpage
 - Should you have any questions regarding the expanded indication for REGEN-COV, please contact us at COVID19therapeutics@hhs.gov

REGEN-COV post-exposure prophylaxis treatment eligibility

REGEN-COV (casirivimab and imdevimab) is authorized for post-exposure prophylaxis of COVID-19:

- > in adult and pediatric individuals (≥12 yrs+, weighing ≥40 kg) who are at high risk for progression to severe COVID-19, including hospitalization or death, and are:
- Not fully vaccinated or who are not expected to mount an adequate immune response to complete SARS-CoV-2 vaccination (for example, individuals with immunocompromising conditions including those taking immunosuppressive medications) and
 - Have been exposed to an individual infected with SARS-CoV-2 consistent with <u>close contact criteria per CDC</u>
 - Who are at high risk of exposure to an individual infected with SARS-CoV-2 because of occurrence of COVID-19 infection in other individuals in the same institutional setting (for example, nursing homes or prisons)

New authorized use is in addition to the prior authorization of REGEN-COV to treat

> non-hospitalized patients w/ mild to moderate COVID-19 in adult and pediatric patients, aged 12 and older, w/ positive results of direct SARS-CoV-2 viral testing, and who are at high risk for progression to severe COVID-19

Limitations of authorized use:

- > Post-exposure prophylaxis w/ REGEN-COV is not a substitute for vaccination against COVID-19
- > REGEN-COV is not authorized for pre-exposure prophylaxis for prevention of COVID-19

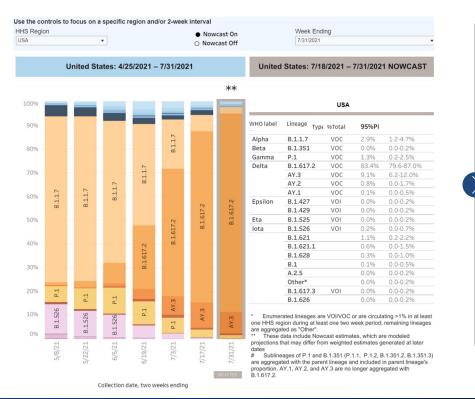


Guidelines for REGEN-COV repeat dosing for post-exposure prophylaxis

- For individuals whom repeat dosing is determined to be appropriate for ongoing exposure to SARS-CoV-2 for longer than 4 weeks and who are not expected to mount an adequate immune response to complete SARS-CoV-2 vaccination
- Initial dose is 600 mg of casirivimab + 600 mg of imdevimab by subcutaneous injection or intravenous infusion
- ➤ Followed by subsequent repeat dosing of 300 mg of casirivimab and 300 mg of imdevimab by subcutaneous injection or intravenous infusion once every 4 weeks for the duration of ongoing exposure



Presence of Delta variant nationally



- B.1.617.2 (Delta) variant
 was at 31% nationally as of
 6/19 and is 83.4%
 nationally as of 7/31
 (pending data via Nowcast)
- States/territories encouraged to reach out with questions/concerns



Administration can occur across a wide variety of models



Hospital

- Hospital-based infusion centers
- Emergency departments
- Converted space within hospital for COVID infusion
- Alternate care sites



Ambulatory center

- Infusion centers
- Urgent care clinics
- Dialysis centers
- Alternate care sites



Nursing homes

- Skilled nursing facilities
- Long-term care facilities



Mobile sites

- Bus/trailer
- Other mobile sites



Home

 At patient's home

Information support via https://CombatCOVID.hhs.gov/
Materials include links to EUA criteria, consolidated playbooks & educational materials

